

From: Chris Nevers
To: Panagiota Dilara
Cc: hausberger@vkmb.tugraz.at
Bcc: Linc Wehrly
Subject: Re: EPA SCR FOIA data
Date: 02/11/2009 10:37 AM

Penny,

I added my responses in blue text, below. As always, questions are welcome.

Regards,

Chris Nevers

▼ [Panagiota Dilara <panagiota.dilara@jrc.it>](mailto:panagiota.dilara@jrc.it)

Panagiota Dilara
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Sent by: Panagiota Dilara
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To: Chris Nevers/AA/USEPA/US@EPA
cc: hausberger@vkmb.tugraz.at
Subject: Re: EPA SCR FOIA data

Received Date:
02/10/2009 10:51 AM
Transmission Date:
02/10/2009 10:51:13 AM

Dear Chris,
Thanks a lot for your data. Here is the input from a colleague Stefan Hausberger on the units used or implied.

However, on the first look I think there are no units specified.
For emissions I assume [g/mile]**Correct**
Test Weight: I assume [pound]**Correct**

For the dynamometer settings given, e.g.:
Dynamometer Target Coefficients: a = 58.825 b = 1.01991 c = .022364
Dynamometer Set Coefficients: a = 32.44 b = .3418 c = .028839
it would be nice to know the units of a, b, c.
I assume, the target coefficients describe the rolling resistance from the coast down test on the road, right?
In EU we have:
 $F [N] = a + b * speed [m/s] + c * speed [m/s] **2$
Is it similar at EPA or do they use mph as unit for the speed? **EPA uses mph to express speed and force expressed in pounds force, otherwise the assumptions are correct. The units of a, b and c would then be lbf, lbf/mph, and lbf/ mph^2. The target coefficients are developed via coast down (on road)ref SAEJ1263 and SAEJ2263. The set coefficients are the dynamometer settings used to mimic the road coast down values.**

And the test codes:
Test Procedure Code: 2 CVS 75 AND LATER (W/O CAN.
Does this stand for FTP? **Yes, the 75 is the FTP, not sure why its called the 75 by some, maybe that was the year it was first developed. The can refers to evaporative canister loading. Since this is a diesel, there is no evap canister and therefore no need to load it.**
Test Procedure Code: 3 HWFE (HIGHWAY TEST)
Obviously the highway test

I have put him in copy, so if you could sent your answers to both, it would be great.

Thanks a lot again,
Penny

Nevers.Chris@epamail.epa.gov wrote:

> Penny,
> I was asked to provide you with some information regarding BMW and
> Mercedes SCR equipped vehicles. I have attached the test result
> portions of the FOI (freedom of information act) applications for
> certification submitted by BMW and Mercedes. The BMW 335d and Mercedes
> GL320 are SCR equipped. The bluetech E320 uses a NOx trap. If you have
> further questions or data requests, please reply.
>
> (See attached file: GL320.pdf) (See attached file: 335d.pdf) (See attached
> file: E320 bluetech.pdf)
>
>
> Regards,
> Chris Nevers
> EPA OTAQ CISC
> 734 214 4412

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